

Work Order ID 53336

October 30, 2009 1:22:12 PM



Page 1

Item ID: PB67-43001-181

Accept



Setup Start



Revision ID: B1 ~~GREEN 09.12.09~~

Stop



Item Name: Cover Plate

Start Date: 11/2/2009 Start Qty: 10.00



Cust Item ID:

Required Date: 11/23/2009 Req'd Qty: 10.00

Customer:

Reference:

Run Start



Approvals: Process Plan: MF Date: 09-10-30 Tooling: Date:

Stop



QC: Date: SPC (Y/N): Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
B67-43001	Rev B1 GREEN 09.12.09								

100 0.00



FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg B67-43001 ☐ Dwg Rev: C ☐ Prog Rev: C

☐

****grain direction along 7.25" **** ☐ 2-Deburr if necessary

B 9-12-17

(12)

110 0.00



QC2- Inspect parts off machine FAI/FAIB

QC

Memo

0.00

Quality Control

B 9-12-17

120 0.00



QC8- Inspect parts - second check

QC

Memo

0.00

Quality Control

(12)

8.012109

278 09/12/18

0094 032

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 53336

October 30, 2009 1:22:12 PM

Page 2

Item ID: PB67-43001-181

Accept

Revision ID: ~~1~~ *2* *09.12.09*

Item Name: Cover Plate

Setup Start

Stop

Start Date: 11/2/2009 Start Qty: 10.00

Required Date: 11/23/2009 Req'd Qty: 10.00

Cust Item ID:

Customer:




Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130  Brake NC Brake NC	NC BRAKE Memo Bend as per Dwg B67-43001	0.00 0.00	<i>SB 10/02/22</i>			<i>12</i>			
140  QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00	<i>SW 10/02/23</i>			<i>(12)</i>			
150  HandFinish Hand Finishing	Chemical Conversion Coat per QSI005 4.1 Memo	0.00 0.00	<i>27 10/02/22</i>			<i>(12)</i>			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 53336

October 30, 2009 1:22:12 PM



Page 3

Item ID:	PB67-43001-181	Accept		Setup	Start	
Revision ID:	B4 C PRELIM 09.12.07				Stop	
Item Name:	Cover Plate					
Start Date:	11/2/2009	Start Qty:	10.00		Cust Item ID:	
Required Date:	11/23/2009	Req'd Qty:	10.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 Powdercoat Powder Coating	Green Sandtex(Ref:4.3.5.8) per QSI005 4.3 M18144 Memo START TIME: 1:00pm 1:30pm FINISH TIME: 3:20pm	0.00 0.00							7/10/02/24 (X12) /
170 QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00							BR 10-02-24 (12)
180 Packaging Packaging	Identify as per dwg & Stock Location: Memo	0.00 0.00							N/A CY 10/9/23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10-10-05	200	Tulmar Kept 1 sample	MF	10-10-05	1	CA 10-10-05	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 53336

October 30, 2009 1:22:12 PM



Page 5

Item ID: PB67-43001-181
 Revision ID: ~~B1~~ *C PR 09.12.09*
 Item Name: Cover Plate
 Start Date: 11/2/2009 Start Qty: 10.00
 Required Date: 11/23/2009 Req'd Qty: 10.00
 Reference:

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
220 	QC6- Inspect dimensions to drawing	0.00							
QC Quality Control	Memo	0.00	<i>See below</i>			<i>(11)</i>			
230 	Identify as per dwg & Stock Location: <i>437</i>	0.00							
Packaging Packaging	Memo	0.00							<i>PC 10/10/05 (11)</i>
240 	QC21- Final Inspection - Work Order Release	0.00							
QC Quality Control	Memo	0.00							<i>10/10/05</i> <i>MF</i> <i>10-10-05</i>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries


October 30, 2009 1:22:11 PM

Parent Item Name: Cover Plate

Required Date: 11/23/2009

Required Qty: 10.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M2024T3S.032		Purchased	No			100	sf	203.3122	11.1284	66		
												
2024-T3 .032 sheet												
											UR 9-12-17	

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

MAT

203.3122316

102942

1.5

105555

4.0684

106272

5.3

108595

1.2

109240

7.02

110305

144

110778

18.8996316

111699

18.3242

18147

3

110 305

(12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

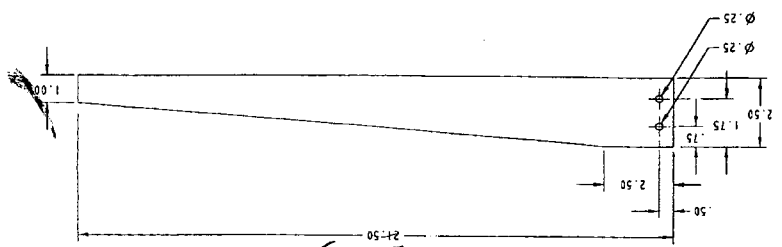
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ORIGINAL

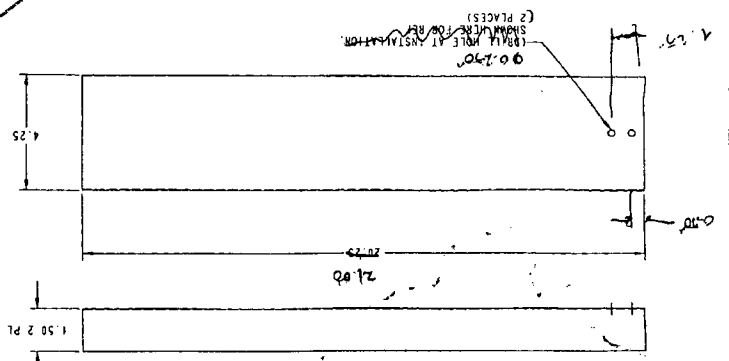
PREMIER AVIATION, INC.
3000 Avenida Parkway, Grand Prairie, Texas 75050
D:\OSUV8 B67-43001
SCALE: 1" = 1' 0"

④ -179 SHORT SIDE PLATE
MATERIAL: .125 THK, 6061-T6, 00-A-250/11
SCALE: 0.500



24.25
29.50

② -181 COVER PLATE
MATERIAL: .002 THK, 2024-T3, 00-A-250/4
SCALE: 0.500



#53336
#0612.09

RELEASED
4-06-11-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8

7

2

1

D

D

7.19

C

C

B67-43

1.50

B

B

B67-430
(MAY)**NOTES:**

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037
REF. DART SPEC. M2024T3S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART
POWDER COAT GREEN SANDTEX (4.3.5.8)
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-430"
- 7) WEIGHT: 0.48 lbs

RW

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

B67-43001-181

REV. C

SHEET 2 OF 2

TITLE

COVER PLATE

SCALE

NTS

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35
04.12.09
W/O ID = 53336

8

7

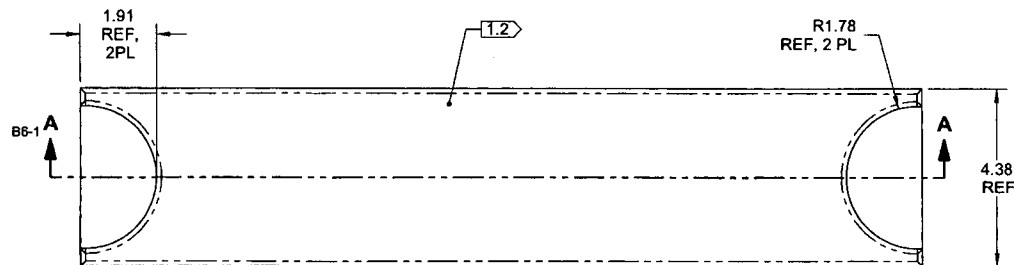
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1

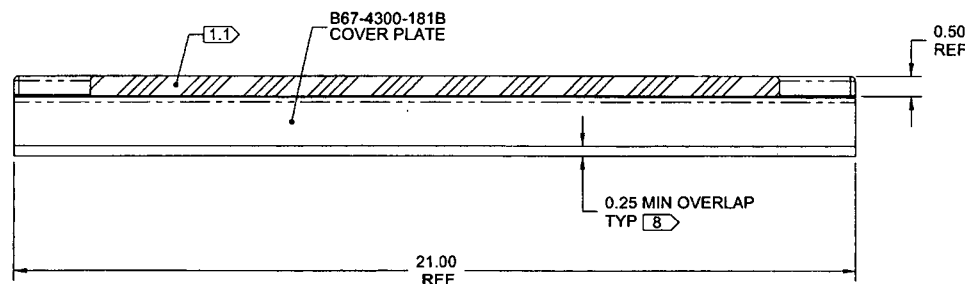
A

A

ITEM	QTY	P/N	DESCRIPTION
1	X	B67-43001-181	COVER PLATE ASSEMBLY
2	1	B67-43001-181B	COVER PLATE
3	A/R	1673-001	SEE NOTE 1.1
4	A/R	1495	SEE NOTE 1.2
5	A/R	LA4009	SEE NOTE 1.3



B67-43001-181 COVER PLATE ASSEMBLY

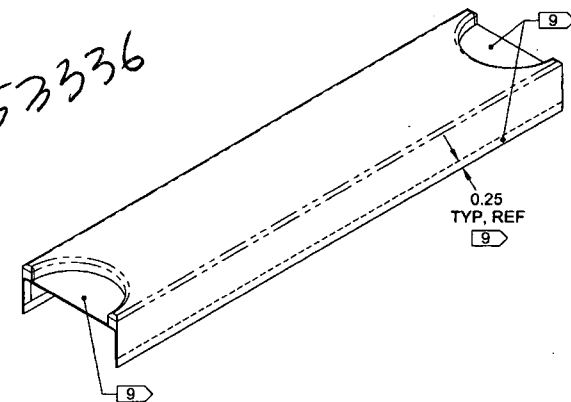


SECTION A-A D8-1

NOTES:

- 1) MATERIAL:
 - 1.1) FOAM: ETHYLENE PROPYLENE NEOPRENE SBR CLOSED-CELL, FLAME RETARDANT, 0.50 THICK, PER ASTM D1056 2A2, SERVICE TEMP -40°F TO +200°F, COLOUR: BLACK REF. TULMAR P/N 1637-001
 - 1.2) FABRIC: 100% 420 DENIER NYLON, MIN THREAD COUNT 35X35, POLYURETHANE COATED ONE SIDE, COLOUR: BLACK REF. TULMAR P/N 1495
- 2) ADHESIVE: URETHANE WITH CATALYST, TWO PART, CLIFTON LA4009
- 3) FINISH: BOND NEOPRENE TO COVER PLATE USING ADHESIVE. COVER WITH DENIER AS SHOWN.
- 4) TOLERANCES: PER TABLE 1 (ZN A3-1) UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) WEIGHT: 0.78 lbs REF
- 9) DENIER NYLON TO BE BONDED ALL AROUND INNER SIDES OF PLATE
- 10) DENIER NYLON TO BE BONDED TO PLATE ON OUTER SIDE

53336



RELEASED
2010-09-16


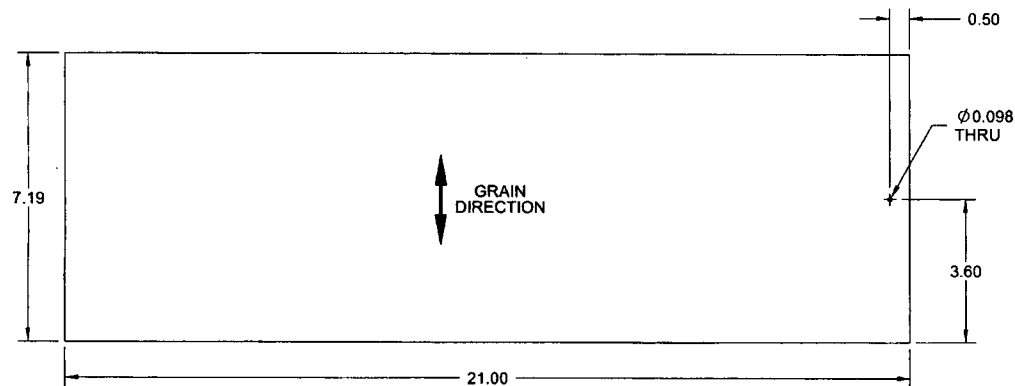
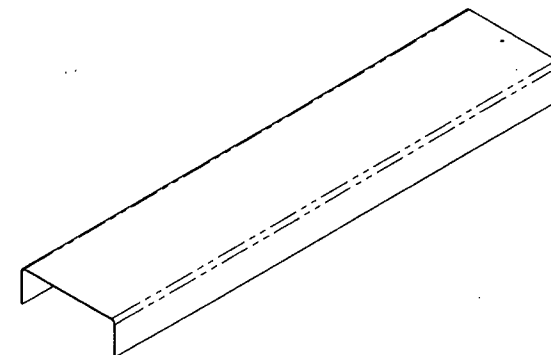
C		REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018, QSI 043 AND TULMAR SAFETY SYSTEMS INC.'S MANUFACTURING PROCESS AND TOLERANCES ON FABRIC; 4.38 WAS 4.25. FOR PREVIOUS REVISIONS, REFER TO SHEETS 10 AND 29 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.		MB	10.04.27
REV.		DESCRIPTION		BY	DATE
DESIGN		RW		DART AEROSPACE LTD	
DRAWN				HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.		REV. C	
MFG. APPR.		B67-43001-181		SHEET 1 OF 2	
APPROVED		TITLE		SCALE	
DE APPR.		N/A		COVER PLATE	
DATE		10.04.27		COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

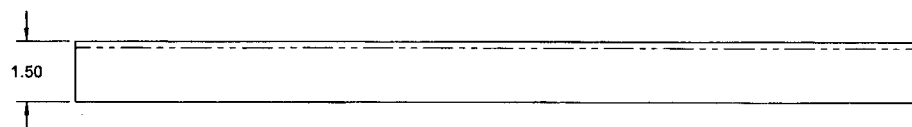
TABLE 1	
TOLERANCES ON FABRIC (PARTS AND ASSEMBLIES)	
±1/8: DIMS <2	
±1/4: DIMS 2 TO <10	
±1/2: DIMS 10 TO <20	
±5/8: DIMS 20 TO <40	
±1.5%: DIMS EQUAL TO OR > 40	



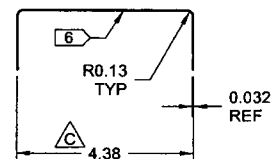
B67-43001-181F FLAT PATTERN



#53336



B67-43001-181B BENDING DETAIL
(MAKE FROM B67-43001-181F)



RELEASED
2010-09-16

NOTES:

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209
REF. DART SPEC. M2024T3S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "B67-43001-181B" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.48 lbs

DESIGN	RW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		B67-43001-181	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.	N/A	COVER PLATE	NTS
DATE	10.04.27	<small>COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

TULMAR

PACKING SLIP

COPY

Packing Slip No.

37305

Ship Date

4-Oct-10

Tulmar Safety Systems Inc.

1123 Cameron Street
Hawkesbury, ON K6A 2B8 CATel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW

email: info@tulmar.com

Bill To:

Dart Aerospace

1270 Aberdeen Street

Hawkesbury, ON K6A 1K7. Canada

Ship to:

Dart Aerospace

1270 Aberdeen Street

Call Chantal re Pick-Up

Tel: 613-632-9577

Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager	PO number	Ship Via	Shipping Terms	Item No.	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
25447	28-Sep-10	CDART100	Barney Bangs	PO12624	Pick-Up	FOB HAWKESBURY	Description				

8421-105

7

EA

7

1

Cover Plate, 20°/

Drawing No: B67-43001-73

DWG Rev: C

Lot No: BATCH0000000005 Qty: 7

8421-101

11

EA

11

1

D-Pad Assembly, Short/

Drawing No: B67-43001-83

DWG Rev: C

Lot No: BATCH0000000008 Qty: 11

8421-102

3

EA

3

1

D-Pad Assembly, Long/

Drawing No: B67-43001-85

DWG Rev: C

**Dart to make new holes themselves

Lot No: BATCH0000000006 Qty: 3

8421-104

11

EA

11

1

Cover Plate/

Drawing No: B67-43001-173

DWG Rev: C

Lot No: BATCH0000000008 Qty: 11

8421-103

11

EA

11

1

Cover Plate/

Drawing No: B67-43001-181

DWG Rev: C

Lot No: BATCH0000000006 Qty: 11

8/10/10/05

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.

1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA

Tel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW

email: info@tulmar.com

Bill To:

Dart Aerospace

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

Packing Slip No.

37305

Ship Date

4-Oct-10

Ship to:

Dart Aerospace

1270 Aberdeen Street
Call Chantal re Pick-Up
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7. Canada

Shipper

Rick Andrews

Date:

4-Oct-2010

Certificate of Conformance

☐ Not Applicable

☐ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.

If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Roxanne Korthese

Date:

Oct 7/10

E.F. Walter Inc.	CERTIFICAT DE CONFORMITÉ CERTIFICATE OF COMPLIANCE		Approved <u>JR</u> Date <u>1/3/02</u>
Revision # 0	Revision date: January 30, 2002	Doc # F.7.5.5.A	Page 1 of 1

Date : 09/09/2008

VENDU À
SOLD TO

6048

TULMAR SAFETY SYSTEMS INC.
1123 CAMERON STREET
HAWKESBURY ONT
K6A 2B8

FOURNISSEUR
VENDOR

E.F. WALTER INC.
180 BARTOR ROAD
TORONTO, ONTARIO
M9M 2W6

Commande / Order # 14649-00

Notre / Our Reference # 55968

Nous certifions par la présente que la totalité du matériel inscrit ci-dessous a été inspecté et vérifié et est conforme aux devis et aux normes mentionnés sur votre commande.

We hereby certify that all of the material listed below has been inspected and tested and conforms to the drawings and / or specifications stated on your purchase order.

Item	Quantité Quantity	Pièce # Part #	Description
742050005	8.000 PCS	# 1637-001	SPONGE NEOPRENE BLACK SC42 TRIMMED NO SKIN (1/2" x 54" x 72") ASTM D1056, 2A2
			<u>510/10/05</u>
			LOT # 75570 MANUFACTURING DATE: Sept. 5, 2008

Used on TSS 8421-101 (B67-43001-83)
102 (B67-43001-85)
103 (B67-43001-181)
104 (B67-43001-173)
105 (B67-43001-73)

Signé
Signed

09/09/2008

TSS # 1637-001 / 02



J. ENNIS FABRICS LTD.

Wholesale Distributor of Textiles and Supplies

March 9, 2010

Fax To: Tulmar Safety Systems
 Fax: 613-632-2030
 Attention: Sandra Nadeau

**EDMONTON
 HEAD OFFICE**
 12122 - 68 Street
 Edmonton, AB T5B 1R1
 Canada
 Phone: (780) 474-5721

Certificate of Conformance

Re: PO 17505-00 for Oxford 7 Black

The goods shipped on P/O 17505-00 are as per sampled goods. Specification as follows:
 As per mill documentation:

Oxford 7 black is in compliance with the following standards:

Width: Product is 58 inches Wide.

Roll Size: Average Roll Length is 75 Yards.

Weight: Product Weight is 6.79 Ounces per Sq.Yd. /Product Weight is 10.94 oz per Lin.Yd

Content: 100% Nylon

Coating: Product has a Polyurethane Coating {approximately 0.65 oz/ Sq.Yd. (18.5g/sq.yd.)}

Denier: Yarn is 420 Denier.

Thread Count: Construction is 62 x 38 Threads per Square Inch

Protective Finish: Product is Water Repellent.

Hydro Resist: AATCC 127 (Suter): Average 800 mm

Piece # 105255723, Manufacture Date: 12/30/09, Lot Number: 379360

Piece # 105255723, Manufacture Date: 12/30/09, Lot Number: 379360

Piece # 105255749, Manufacture Date: 12/30/09, Lot Number: 379360

VANCOUVER
 13911 Bridgeport Road
 Richmond, BC V6V 1J6
 Canada

MONTREAL
 9280 boulevard du Golf
 Anjou, QC H1J 3A1
 Canada

Sincerely,
 J. Ennis Fabrics Ltd.

S. James

Sharon James
 Product Development

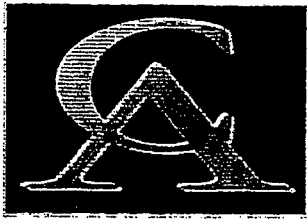
used on TSS 8421-105 (867-43001-73)
 8421-101 (867-43001-83)
 8421-102 (867-43001-85)
 8421-104 (867-43001-173)
 8421-103 (867-43001-181)

English: 1-800-66-ENNIS

Fax: (780) 479-6135
 www.jennisfabrics.com

Français: 1-888-66-ENNIS

TSS 1495/17

FAXED
6-15-10**CLIFTON**
Adhesive, Inc
Industrial Adhesives & Coatings

Date: 6/11/10

Certificate of Compliance

This letter certifies that 11 x 5 gallon pails of LA4009 Adhesive,
lot number (s) 10-145 was shipped to you on 6/11/10.

Clifton Adhesive, Inc manufactured this material according to internal specifications
which include quality control and assurance procedures. The material was
manufactured on 5/25/10 against your Purchase Order # 17863-00.

Shelf Life: 1 year from date of manufacture
Expiration Date: 5/25/11

This letter certifies that 4 x quart cans of CATUR Accelerator,

Lot number 10-138 was shipped to you on 6/11/10.

Clifton Adhesive, Inc manufactured this material according to internal specifications
which include quality control and assurance procedures. The material was
manufactured on 5/18/10 against your Purchase Order # 17863-00.

Shelf Life: 6 months from date of manufacture
Expiration Date: 11/18/10

Sincerely,

Daniel Constantino
Quality Assurance Mgr/ISO Coordinator



48 Burgess Place - Wayne, NJ 07470 USA
Phone: 973-694-0845 - Fax: 973-694-5678
www.cliftonadhesive.com

used on TSS 8421-101 (B67-43001-83)
102 (B67-43001-85)
103 (B67-43001-181)
104 (B67-43001-173)
105 (B67-43001-73)

TSS 7122/37



American & Efird Inc.
Post Office Box - 507
Mount Holly, NC -28120

Test Report

Date : 10/1/2010

Mfg. Date : 3/27/2010

Quantity: 44

Lot Id : 705150

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : A-A-59826 TPII CLA F BT92N4

Customer Order Number : 17499-00

Plys (Visual) : 4

Twist Direction : Z

Customer : Tulmar Safety Inc.

A&E Color : 63002 Black
AA

Shipped To : Tulmar Safety Inc.

Description : Bright, Continuous Multifilament Nylon, Melting Point >472F; Colorless Nylon Polymer Bond;
Polypropylene Spools

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.7	15.6	15.7	15.8	15.619		
Strength #2 (Pound)	15.4	15.1	15.2	15.4	14.8	15.177		
Average Strength (Pound)						15.4	11.8	

Elongation #1 (Percent)	20.5	22.4	21.8	22	21.8	21.722		
Elongation #2 (Percent)	22.3	21.4	21.9	22.5	21.1	21.856		
Average Elongation (Percent)						21.8	26	

Lube

Pass Pass

Twist S #1 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Twist S #2 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Average Twist S (Turns per inch) Initial Twist						12.2		

Twist Z #1 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Twist Z #2 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Average Twist Z (Turns per inch) Final Twist						8.1	5.5	

Yield #1 (Yards/Pound)	4211.8	4211.8						
Yield #2 (Yards/Pound)	4114.7	4114.7						
Average Yield (Yards/Pound)		4163.2	3601	5200				


Laundry #1 (Grading Scale)	5	5						
Laundry #2 (Grading Scale)	5	5						
Average Laundry (Grading Scale)		5	3					

used on TSS 8421-102 (B67-43001-85)

Dry Cleaning #1 (Grading Scale)	5	5	
Dry Cleaning #2 (Grading Scale)	5	5	
Average Dry Cleaning (Grading Scale)		5	3
Perspiration #1 (Grading Scale)	5	5	
Perspiration #2 (Grading Scale)	5	5	
Average Perspiration (Grading Scale)		5	3
Color Fastness to Light #1 (Grading Scale)	5	5	
Color Fastness to Light #2 (Grading Scale)	5	5	
Average Color Fastness to Light (Grading Scale)		5	3.4

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed :



Joseph D. Munday
Testing Director

Note

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American & Efid Inc.
Post Office Box - 507
Mount Holly, NC -28120

Test Report

Date : 9/17/2010

Mfg. Date : 3/27/2010

Quantity: 43

Lot Id : 705150

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : A-A-59826 TPII CLA F BT92N4

Customer Order Number : 17499-00

Customer : Tulmar Safety Inc.

Shipped To : Tulmar Safety Inc.

Plys (Visual) : 4

Twist Direction : Z

A&E Color : 63002 Black
AA

Description : Bright, Continuous Multifilament Nylon, Melting Point >472F; Colorless Nylon Polymer Bond;
Polypropylene Spools

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.7	15.6	15.7	15.8	15.619		
Strength #2 (Pound)	15.4	15.1	15.2	15.4	14.8	15.177		
Average Strength (Pound)						15.4	11.8	

Elongation #1 (Percent)	20.5	22.4	21.8	22	21.8	21.722		
Elongation #2 (Percent)	22.3	21.4	21.9	22.5	21.1	21.856		
Average Elongation (Percent)						21.8	26	

Lube

Pass Pass

Twist S #1 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2
Twist S #2 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2
Average Twist S (Turns per inch) Initial Twist						12.2

Twist Z #1 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1	
Twist Z #2 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1	
Average Twist Z (Turns per inch) Final Twist						8.1	5.5

Yield #1 (Yards/Pound)	4211.8	4211.8		
Yield #2 (Yards/Pound)	4114.7	4114.7		
Average Yield (Yards/Pound)		4163.2	3601	5200

Laundry #1 (Grading Scale)	5	5	
Laundry #2 (Grading Scale)	5	5	
Average Laundry (Grading Scale)		5	3

used on TSS 8421-101 (B67-43001-83)

TSS #2530/48

Dry Cleaning #1 (Grading Scale)	5
Dry Cleaning #2 (Grading Scale)	5
Average Dry Cleaning (Grading Scale)	

5	
5	
5	3

Perspiration #1 (Grading Scale)	5
Perspiration #2 (Grading Scale)	5
Average Perspiration (Grading Scale)	

5	
5	
5	3

Color Fastness to Light #1 (Grading Scale)	5
Color Fastness to Light #2 (Grading Scale)	5
Average Color Fastness to Light (Grading Scale)	

5	
5	
5	3.4

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed : *Joseph D. Munday*

Joseph D. Munday
Testing Director

Note

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BS # 2530/48 (S)